

**STIC Biotechnology Systems Branch**

**RAW SEQUENCE LISTING**

**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/573,794  
Source: JEWOP  
Date Processed by STIC: 04/06/2006

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/573,794

DATE: 04/06/2006  
TIME: 10:34:12

Input Set : A:\Sequence Listing - 2006\_0470A.txt  
Output Set: N:\CRF4\04062006\J573794.raw

```

3 <110> APPLICANT: Japan Science and Technology Agency
5 <120> TITLE OF INVENTION: Royal Jelly Peptide
7 <130> FILE REFERENCE: 04F039PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/573,794
C--> 9 <141> CURRENT FILING DATE: 2006-03-28
9 <150> PRIOR APPLICATION NUMBER: JP 2003-338665
10 <151> PRIOR FILING DATE: 2003-09-29
12 <160> NUMBER OF SEQ ID NOS: 17
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 37
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Primer 1
24 <220> FEATURE:
25 <221> NAME/KEY: misc_feature
26 <222> LOCATION: (1)..(37)
27 <223> OTHER INFORMATION: i
30 <400> SEQUENCE: 1
W--> 31 aarachnwsna thwsngtnaa rggngarwsn aaygtn
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 29
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Primer 2
42 <400> SEQUENCE: 2
43 cgttggcacc agacacgata gatgaaacc
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 29
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Primer 3
54 <400> SEQUENCE: 3
55 tttctgaatt ttattaatta ctttatttcg
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 50
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Fragment 1

```

Does Not Comply  
Corrected Diskette Needed  
(pg-1,2,3,5)

37

29

→ Invalid Response.  
What is the source  
of genetic material?  
pls see glen II on error  
summary sheet.

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/573,794

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TIME: 10:34:12

Input Set : A:\Sequence Listing - 2006\_0470A.txt  
Output Set: N:\CRF4\04062006\J573794.raw

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66 <400> SEQUENCE: 4
67 aaaacctcta tctctgttaa aggcgaatcc aacgttgatg ttgtttccca      50
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 40
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Fragment 2
78 <400> SEQUENCE: 5
79 gatcaactct ctggtttctt ctatcgtttc tggtgctaac          40
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 40
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Fragment 3
90 <400> SEQUENCE: 6
91 gtttctgcag tactgctggc tcagactctg gttaacatcc          40
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 38
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Fragment 4
102 <400> SEQUENCE: 7
103 tgcagatcc gatcgacgct aacgttttcg cttaatag          38
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 40
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Fragment 5
114 <400> SEQUENCE: 8
115 ttttggagat agagacaatt tccgcttagg ttgcaactac      40
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 40
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Fragment 6
126 <400> SEQUENCE: 9
127 aacaaagggt ctatgtgaga gaccaaagaa gatagcaaag          40
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 40
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Fragment 7
138 <400> SEQUENCE: 10

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*Same Error*

RAW SEQUENCE LISTING  
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TIME: 10:34:12

Input Set : A:\Sequence Listing - 2006\_0470A.txt  
Output Set: N:\CRF4\04062006\J573794.raw

139 accacgattt caaagacgtc atgacgaccg agtctgagac 40  
 142 <210> SEQ ID NO: 11  
 143 <211> LENGTH: 48  
 144 <212> TYPE: DNA  
 145 <213> ORGANISM: Artificial Sequence  
 147 <220> FEATURE:  
 148 <223> OTHER INFORMATION: Fragment 8  
 150 <400> SEQUENCE: 11  
 151 caattttagg acgtcttagga ctagctgcga ttgcaaaagc gaattatc 48  
 154 <210> SEQ ID NO: 12  
 155 <211> LENGTH: 31  
 156 <212> TYPE: DNA  
 157 <213> ORGANISM: Artificial Sequence  
 159 <220> FEATURE:  
 160 <223> OTHER INFORMATION: LIC Forward  
 162 <400> SEQUENCE: 12  
 163 ggtattttaggg gtcgcaaaac ctcttatctct g 31  
 166 <210> SEQ ID NO: 13  
 167 <211> LENGTH: 33  
 168 <212> TYPE: DNA  
 169 <213> ORGANISM: Artificial Sequence  
 171 <220> FEATURE:  
 172 <223> OTHER INFORMATION: LIC Reverse  
 174 <400> SEQUENCE: 13  
 175 agaggagagt tagagcccta ttaagcgaaa acg 33  
 178 <210> SEQ ID NO: 14  
 179 <211> LENGTH: 162  
 180 <212> TYPE: DNA  
 181 <213> ORGANISM: bee  
 183 <220> FEATURE:  
 184 <221> NAME/KEY: misc\_feature  
 185 <222> LOCATION: (1)..(162)  
 186 <223> OTHER INFORMATION: unknown  
 189 <220> FEATURE:  
 190 <221> NAME/KEY: CDS  
 191 <222> LOCATION: (1)..(162)  
 192 <223> OTHER INFORMATION:  
 W--> 194 <400> 14  
 195 aaa aca tca atc agt gtc aaa ggc gaa tcg aac gtg gat gtc gtt tcc 48  
 196 Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser  
 197 1 5 10 15  
 199 caa atc aac agt ttg gtt tca tct atc gtg tct ggt gcc aac gtg tca 96  
 200 Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser  
 201 20 25 30  
 W--> 203 gca gta ctc cta gct caa act tta gtt aat atc ctg caa att nnn atc 144  
 204 Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Xaa Ile  
 205 35 40 45  
 207 gac gct aat gtt ttc gct 162  
 208 Asp Ala Asn Val Phe Ala

## RAW SEQUENCE LISTING

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Input Set : A:\Sequence Listing - 2006\_0470A.txt  
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```

209      50
212 <210> SEQ ID NO: 15
213 <211> LENGTH: 54
214 <212> TYPE: PRT
215 <213> ORGANISM: bee
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (47)..(47)
220 <223> OTHER INFORMATION: The 'Xaa' at location 47 stands for Lys, Asn, Arg, Ser, Thr,
Ile,
221      Met, Xaa, Glu, Asp, Gly, Ala, Val, Gln, His, Pro, Leu, Tyr, Trp,
222      Cys, or Phe.
224 <400> SEQUENCE: 15
226 Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
227 1          5           10          15
230 Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser
231          20          25          30
W--> 234 Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Xaa Ile
235          35          40          45
238 Asp Ala Asn Val Phe Ala
239      50
242 <210> SEQ ID NO: 16
243 <211> LENGTH: 162
244 <212> TYPE: DNA
245 <213> ORGANISM: bee
247 <220> FEATURE:
248 <221> NAME/KEY: CDS
249 <222> LOCATION: (1)..(162)
250 <223> OTHER INFORMATION:
W--> 252 <400> 16
253 aaa aca tca atc agt gtc aaa ggc gaa tcg aac gtg gat gtc gtt tcc      48
254 Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
255 1          5           10          15
257 caa atc aac agt ttg gtt tca tct atc gtg tct ggt gcc aac gtg tca      96
258 Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser
259          20          25          30
261 gca gta ctc cta gct caa act tta gtt aat atc ctg caa att ctt atc
262 Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Leu Ile
263          35          40          45
265 gac gct aat gtt ttc gct
266 Asp Ala Asn Val Phe Ala
267      50
270 <210> SEQ ID NO: 17
271 <211> LENGTH: 54
272 <212> TYPE: PRT
273 <213> ORGANISM: bee
275 <400> SEQUENCE: 17
277 Lys Thr Ser Ile Ser Val Lys Gly Glu Ser Asn Val Asp Val Val Ser
278 1          5           10          15
281 Gln Ile Asn Ser Leu Val Ser Ser Ile Val Ser Gly Ala Asn Val Ser

```

## RAW SEQUENCE LISTING

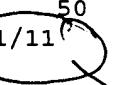
PATENT APPLICATION: US/10/573,794

DATE: 04/06/2006

TIME: 10:34:12

Input Set : A:\Sequence Listing - 2006\_0470A.txt  
Output Set: N:\CRF4\04062006\J573794.raw

282            20            25            30  
285 Ala Val Leu Leu Ala Gln Thr Leu Val Asn Ile Leu Gln Ile Leu Ile  
286            35            40            45  
289 Asp Ala Asn Val Phe Ala  
290            50  
293 1/11



→      Pls delete

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 04/06/2006  
PATENT APPLICATION: US/10/573,794                    TIME: 10:34:13

Input Set : A:\Sequence Listing - 2006\_0470A.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6,9,15,18,24,30,36

Seq#:14; N Pos. 139,140,141

Seq#:14; Xaa Pos. 47

Seq#:15; Xaa Pos. 47

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/573,794

DATE: 04/06/2006

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Input Set : A:\Sequence Listing - 2006\_0470A.txt  
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:194 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:192  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:96  
M:341 Repeated in SeqNo=14  
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:32  
L:252 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:250